

is expressed and whereby said transgenic cells comprising an enzyme catalyzing in a acyl-CoA-independent reaction the transfer of fatty acids from phospholipids to diacylglycerol in the biosynthetic pathway for the production of triacylglycerol.

31. A method of producing triacylglycerol and/or triacylglycerol with uncommon fatty acids which comprises transforming an organism or host cell using the nucleotide sequence of claim 7, whereby the transformation results in an altered, preferably, increased oil content of the cell or organism.

32. A method of producing triacylglycerol and/or triacylglycerols with uncommon fatty acids using the nucleotide sequence of claim 7.

33. A method of producing triacylglycerol and/or triacylglycerols with uncommon fatty acids using the enzyme of claim 1.

R E M A R K S

The claims have been amended to put the application in better form for U.S. filing. No new matter has been added.

Entry of the above amendment is respectfully solicited.

Respectfully submitted,

KEIL & WEINKAUF

  
Herbert B. Keil  
Reg. No. 18,967

1101 Connecticut Ave., N.W.  
Washington, D.C. 20036  
(202)659-0100